

ABSTRACT

A system is disclosed that can determine whether a routine is stalled. The system does not require the developer of the routine to add code for the purpose of detecting whether the routine is stalled. Furthermore, the system can be used to monitor various routines at different levels of granularity, such as at the thread level, method level, or other levels. One embodiment of the present invention allows a user to specify a method and an expected time frame. Code for that method is modified to add additional code that implements a timing mechanism. The timing mechanism is used to detect when a thread enters that method and does not return within an approximation of the expected time frame. Other embodiments are also within the scope of the present invention.